SEQUENCE LISTING

<110> Unitectra Inc.

<130> E 2862 EP

<140>

<141>

<160> 13

<170> PatentIn Ver. 2.1

<210> 1

<211> 1881

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (1)..(1881)

<400> 1

atg gtg gtt cag aga agg agc ttc ctt ccc gtg ctt gtg ctg agt 48
Met Val Gly Val Gln Arg Arg Ser Phe Leu Pro Val Leu Val Leu Ser
1 5 10 15

gct ctg ctg gct gtg ggg gcc cta gaa gga tcc agg aat cag gac tgg 96
Ala Leu Leu Ala Val Gly Ala Leu Glu Gly Ser Arg Asn Gln Asp Trp
20 25 30

ctt ggt gtc cca aga caa ctt gta act aaa acc tgg aac agg cag ctg 144 Leu Gly Val Pro Arg Gln Leu Val Thr Lys Thr Trp Asn Arg Gln Leu 35 40 45

tac ccc gag tgg aca gag gtg cag ggg tct aac tgc tgg aga ggt ggc 192
Tyr Pro Glu Trp Thr Glu Val Gln Gly Ser Asn Cys Trp Arg Gly Gly
50 55 60

cag gta tct ctg agg gtc att aat gat ggg cct aca ctg gtt ggt gca 240 Gln Val Ser Leu Arg Val Ile Asn Asp Gly Pro Thr Leu Val Gly Ala 65 70 75 80

aat gcc tcc ttt tcc att gcc ctg cac ttc cct gga agt caa aag gta 288
Asn Ala Ser Phe Ser Ile Ala Leu His Phe Pro Gly Ser Gln Lys Val

cta ccg gat ggt cag gtt atc tgg gcc aac acc atc atc aat ggg 336 Leu Pro Asp Gly Gln Val Ile Trp Ala Asn Asn Thr Ile Ile Asn Gly 100 105 110

agc cag gtg tgg gga gga cag cca gtg tat cca cag gag cct gat gat 384 Ser Gln Val Trp Gly Gly Gln Pro Val Tyr Pro Gln Glu Pro Asp Asp 115 120 125

gcc tgt gtc ttc cct gac ggt gga ccc tgc cca tct ggt cct aaa cct 432

Ala	Cys 130	Val	Phe	Pro	Asp	Gly 135	Gly	Pro	Cys	Pro	Ser 140	Gly	Pro	Lys	₽ro	
_	_	_	_		_		_	tgg Trp	_							480
								agg Arg								528
								gaa Glu 185								576
		_	_					gct Ala		_	_					624
		_	_	_				gtg Val	_			_		_	_	672
_	_				_			ctg Leu	_							720
_		_			_		_	ggt Gly		_	_		_	_		768
								ggt Gly 265								816
_		-	_					ctg Leu		_			_		_	864
_		Val	_	_	_	_	Ile	cct Pro		_		_				912
	Val							tac Tyr			Thr					960
					Gln					Lys					aca Thr	1008
		_		Pro			_		Ser				_	Val	caa Gln	1056
_	-		Thr		_		_	Thr				_	Met	_	acc Thr	1104

				gat Asp												1152
				ccc Pro												1200
				ggt Gly 405												1248
				att Ile												1296
				caa Gln												1344
				gcc Ala												1392
atc Ile 465	ctg Leu	cag Gln	gct Ala	gtg Val	cca Pro 470	ttc Phe	agt Ser	gaa Glu	gjå aaa	gat Asp 475	gca Ala	ttt Phe	gag Glu	ctg Leu	act Thr 480	1440
				ggc Gly 485												1488
				cag Gln												1536
				tgc Cys												1584
		Thr					Val					Ala			ctg Leu	1632
	Val			acc Thr							Gln				ctt Leu 560	1680
				ttg Leu 565	Leu					Leu						1728
gto Val	ctt Leu	gca Ala	tct Ser 580	Leu	ata Ile	cta Leu	ggc	ata Ile 585	Asp	tta Leu	aga Arg	agc Ser	agg Arg 590	Ala	cag Gln	1776
			Cys					Leu					Āla		ggt Gly	1824

ctt cgc gcc cgc ggc ctt gga gaa aac agc ccg ctc ctc agt gga cag Leu Arg Ala Arg Gly Leu Gly Glu Asn Ser Pro Leu Leu Ser Gly Gln 615 cag gtc tga 1881 Gln Val 625 <210> 2 <211> 626 <212> PRT <213> Mus musculus <400> 2 Met Val Gly Val Gln Arg Arg Ser Phe Leu Pro Val Leu Val Leu Ser Ala Leu Leu Ala Val Gly Ala Leu Glu Gly Ser Arg Asn Gln Asp Trp Leu Gly Val Pro Arg Gln Leu Val Thr Lys Thr Trp Asn Arg Gln Leu Tyr Pro Glu Trp Thr Glu Val Gln Gly Ser Asn Cys Trp Arg Gly Gly Gln Val Ser Leu Arg Val Ile Asn Asp Gly Pro Thr Leu Val Gly Ala Asn Ala Ser Phe Ser Ile Ala Leu His Phe Pro Gly Ser Gln Lys Val Leu Pro Asp Gly Gln Val Ile Trp Ala Asn Asn Thr Ile Ile Asn Gly Ser Gln Val Trp Gly Gly Gln Pro Val Tyr Pro Gln Glu Pro Asp Asp Ala Cys Val Phe Pro Asp Gly Gly Pro Cys Pro Ser Gly Pro Lys Pro 135 Pro Lys Arg Ser Phe Val Tyr Val Trp Lys Thr Trp Gly Lys Tyr Trp 145 160 Gln Val Leu Gly Gly Pro Val Ser Arg Ser Ser Ile Ala Thr Arg His 170 Ala Lys Leu Gly Thr His Thr Met Glu Val Thr Val Tyr His Arg Arg 180 Gly Ser Gln Ser Tyr Val Pro Leu Ala His Ala Ser Ser Thr Phe Thr 200 Ile Thr Asp Gln Val Pro Phe Ser Val Ser Val Ser Gln Leu Gln Ala 215 Leu Asp Gly Glu Thr Lys His Phe Leu Arg Asn His Pro Leu Ile Phe

225					230					235					240
Ala	Leu	Gln	Leu	His 245	Asp	Pro	Ser	Gly	Tyr 250	Leu	Ala	Glu	Ala	Asp 255	Leu
Ser	Tyr	Thr	Trp 260	Asp	Phe	Gly	Asp	Gly 265	Thr	Gly	Thr	Leu	11e 270	Ser	Arg
Ala	Leu	Asp 275	Val	Thr	His	Thr	Tyr 280	Leu	Glu	Ser	Gly	Ser 285	Val	Thr	Ala
Gln	Val 290	Val	Leu	Gln	Ala	Ala 295	Ile	Pro	Leu	Val	Ser 300	Cys	Gly	Ser	Ser
Pro 305	Val	Pro	Gly	Thr	Thr 310	qzA	Gly	Tyr	Met	Pro 315	Thr	Ala	Glu	Ala	Pro 320
Gly	Thr	Thr	Ser	Arg 325	Gln	Glý	Thr	Thr	Thr 330	Lys	Val	Val	Gly	Thr 335	Thr
Pro	Gly	Gln	Met 340	Pro	Thr	Thr	Gln	Pro 345	Ser	Gly	Thr	Thr	Val 350	Val	Gln
Met	Pro	Thr 355	Thr	Glu	Val	Thr	Ala 360	Thr	Thr	Ser	Glu	Gln 365	Met	Leu	Thr
Ser	Ala 370	Val	Ile	Asp	Thr	Thr 375	Leu	Ala	Glu	Val	Ser 380	Thr	Thr	Glu	Gly
Thr 385	Gly	Thr	Thr	Pro	Thr 390	Arg	Pro	Ser	Gly	Thr 395	Thr	Val	Ala	Gln	Ala 400
Thr	Thr	Thr	Glu	Gly 405	Pro	Asp	Ala	Ser	Pro 410	Leu	Leu	Pro	Thr	Gln 415	Ser
Ser	Thr	Gly	Ser 420	Ile	Ser	Pro	Leu	Leu 425	Asp	Asp	Thr	Asp	Thr 430	Ile	Met
Leu	Val	Lys 435	Arg	Gln	Val	Pro	Leu 440	qaA	Сув	Val	Leu	Tyr 445	Arg	Tyr	Gly
Ser	Phe 450	Ser	Leu	Ala	Leu	Asp 455	Ile	Val	Gln	Gly	Ile 460	Glu	Ser	Ala	Glu
Ile 465	Leu	Gln	Ala	Val	Pro 470	Phe	Ser	Glu	Gly	Asp 475	Ala	Phe	Glu	Leu	Thr 480
Val	Ser	Cys	Gln	Gly 485	Gly	Leu	Pro	Lys	Glu 490	Ala	Cys	Met	Asp	Ile 495	Ser
Ser	Pro	Gly	Cys 500	Gln	Pro	Pro	Ala	Gln 505	Arg	Leu	Cys	Gln	Ser 510	Val	Pro
Pro	Ser	Pro 515	Asp	Cys	Gln	Leu	Val 520	Leu	His	Gln	Val	Leu 525	Lys	Gly	Gly
Ser	Gly 530	Thr	Tyr	Cys	Leu	Asn 535	Val	Ser	Leu	Ala	Asp	Ala	Asn	Ser	Leu

Ala Val Ala Ser Thr Gln Leu Val Val Pro Gly Gln Asp Gly Gly Leu Gly Gln Ala Pro Leu Leu Val Gly Ile Leu Leu Val Leu Val Ala Val Val Leu Ala Ser Leu Ile Leu Gly Ile Asp Leu Arg Ser Arg Ala Gln 585 Phe Pro Lys Cys His Met Val Ala Leu Thr Ala Ala Pro Ala Ser Gly 595 600 Leu Arg Ala Arg Gly Leu Gly Glu Asn Ser Pro Leu Leu Ser Gly Gln 615 620 Gln Val 625 <210> 3 <211> 2131 <212> DNA <213> Homo sapiens <220> <221> CDS <222> (12)..(2018) <400> 3 ggaagaacac a atg gat ctg gtg cta aaa aga tgc ctt ctt cat ttg gct Met Asp Leu Val Leu Lys Arg Cys Leu Leu His Leu Ala gtg ata ggt gct ttg ctg gct gtg ggg gct aca aaa gta ccc aga aac 98 Val Ile Gly Ala Leu Leu Ala Val Gly Ala Thr Lys Val Pro Arg Asn 15 20 cag gac tgg ctt ggt gtc tca agg caa ctc aga acc aaa gcc tgg aac 146 Gln Asp Trp Leu Gly Val Ser Arg Gln Leu Arg Thr Lys Ala Trp Asn 30 agg cag ctg tat cca gag tgg aca gaa gcc cag aga ctt gac tgc tgg Arg Gln Leu Tyr Pro Glu Trp Thr Glu Ala Gln Arg Leu Asp Cys Trp aga ggt ggt caa gtg tcc ctc aag gtc agt aat gat ggg cct aca ctg 242 Arg Gly Gln Val Ser Leu Lys Val Ser Asn Asp Gly Pro Thr Leu 65 att ggt gca aat gcc tcc ttc tct att gcc ttg aac ttc cct gga agc Ile Gly Ala Asn Ala Ser Phe Ser Ile Ala Leu Asn Phe Pro Gly Ser 80 caa aag gta ttg cca gat ggg cag gtt atc tgg gtc aac aat acc atc Gln Lys Val Leu Pro Asp Gly Gln Val Ile Trp Val Asn Asn Thr Ile 95 100 105 atc aat ggg agc cag gtg tgg gga gga cag cca gtg tat ccc cag gaa

ί

	le 10	Asn	Gly	Ser	Gln	Val 115	Trp	Gly	Gly	Gln	Pro 120	Val	Tyr	Pro	Gln	Glu 125	
												cct Pro					434
t S	ct	tgg Trp	tct Ser	cag Gln 145	aag Lys	aga Arg	agc Ser	ttt Phe	gtt Val 150	tat Tyr	gtc Val	tgg Trp	aag Lys	acc Thr 155	tgg Trp	ggc	482
												Gly 999					530
				_	_	_					_	gaa Glu 185			_		578
H		_					_					gct Ala			_		626
												gtg Val					674
	_		_	_	_				_			ctg Leu	_		_		722
												ggc					770
												agt Ser 265					818
3				_			_					ctg Leu					866
											Ile	cct Pro					914
					Val					Asp		cac His			Thr		962
				Asn					Gln			act Thr		Glu		gtg Val	1010
			Thr					Pro					Ser			aca Thr	1058

tct Ser 350	gtg Val	cag Gln	gtg Val	cca Pro	acc Thr 355	act Thr	gaa Glu	gtc Val	ata Ile	agc Ser 360	act Thr	gca Ala	cct Pro	gtg Val	cag Gln 365	1106
atg Met	cca Pro	act Thr	gca Ala	gag Glu 370	agc Ser	aca Thr	ggt Gly	atg Met	aca Thr 375	cct Pro	gag Glu	aag Lys	gtg Val	cca Pro 380	gtt Val	1154
tca Ser	gag Glu	gtc Val	atg Met 385	ggt Gly	acc Thr	aca Thr	ctg Leu	gca Ala 390	gag Glu	atg Met	tca Ser	act Thr	cca Pro 395	gag Glu	gct Ala	1202
aca Thr	ggt Gly	atg Met 400	aca Thr	cct Pro	gca Ala	gag Glu	gta Val 405	tca Ser	att Ile	gtg Val	gtg Val	ctt Leu 410	tct Ser	gga Gly	acc Thr	1250
aca Thr	gct Ala 415	gca Ala	cag Gln	gta Val	aca Thr	act Thr 420	aca Thr	gag Glu	tgg Trp	gtg Val	gag Glu 425	acc Thr	aca Thr	gct Ala	aga Arg	1298
gag Glu 430	cta Leu	cct Pro	atc Ilé	cct Pro	gag Glu 435	cct Pro	gaa Glu	ggt Gly	cca Pro	gat Asp 440	gcc Ala	agc Ser	tca Ser	atc Ile	atg Met 445	1346
tct Ser	acg Thr	gaa Glu	agt Ser	att Ile 450	aca Thr	ggt Gly	tcc Ser	ctg Leu	ggc Gly 455	ccc Pro	ctg Leu	ctg Leu	gat Asp	ggt Gly 460	aca Thr	1394
gcc Ala	acc Thr	tta Leu	agg Arg 465	ctg Leu	gtg Val	aag Lys	aga Arg	caa Gln 470	gtc Val	ccc Pro	ctg Leu	gat Asp	tgt Cys 475	gtt Val	ctg Leu	1442
tat Tyr	cga Arg	tat Tyr 480	ggt Gly	tcc Ser	ttt Phe	tcc Ser	gtc Val 485	acc Thr	ctg Leu	gac Asp	att Ile	gtc Val 490	cag Gln	ggt Gly	att Ile	1490
gaa Glu	agt Ser 495	gcc Ala	gag Glu	atc Ile	ctg Leu	cag Gln 500	gct Ala	gtg Val	ccg Pro	tcc Ser	ggt Gly 505	gag Glu	GJÀ aaa	gat Asp	gca Ala	1538
ttt Phe 510	Glu	ctg Leu	act Thr	gtg Val	tcc Ser 515	tgc Cys	caa Gln	ggc	Gly 999	ctg Leu 520	ccc Pro	aag Lys	gaa Glu	gcc Ala	tgc Cys 525	1586
atg Met	gag Glu	atc Ile	tca Ser	tcg Ser 530	cca Pro	Glà aaa	tgc Cys	cag Gln	ccc Pro 535	cct Pro	gcc Ala	cag Gln	cgg Arg	ctg Leu 540	tgc Cys	1634
cag Gln	cct Pro	gtg Val	cta Leu 545	ccc Pro	agc Ser	cca Pro	gcc Ala	tgc Cys 550	cag Gln	ctg Leu	gtt Val	ctg Leu	cac His 555	cag Gln	ata Ile	1682
ctg Leu	aag Lys	ggt Gly 560	ggc	tcg Ser	ej aaa	aca Thr	tac Tyr 565	tgc Cys	ctc Leu	aat Asn	gtg Val	tct Ser 570	ctg Leu	gct Ala	gat Asp	1730
acc Thr	aac Asn 575	agc Ser	ctg Leu	gca Ala	gtg Val	gtc Val 580	Ser	acc Thr	cag Gln	ctt Leu	atc Ile 585	atg Met	cct Pro	gtg Val	cct Pro	1778

ļ

	g 1826 :u :5
atc gtg ggc atc ttg ctg gtg ttg atg gct gtg gtc ctt gca tct co Ile Val Gly Ile Leu Leu Val Leu Met Ala Val Val Leu Ala Ser Le 610 615 620	
ata tat agg cgc aga ctt atg aag caa gac ttc tcc gta ccc cag t Ile Tyr Arg Arg Arg Leu Met Lys Gln Asp Phe Ser Val Pro Gln Le 625 630 635	
cca cat agc agt cac tgg ctg cgt cta ccc cgc atc ttc tgc to Pro His Ser Ser His Trp Leu Arg Leu Pro Arg Ile Phe Cys Se 640 645 650	
tgt ccc att ggt gag aat agc ccc ctc ctc agt ggg cag cag gtc t Cys Pro Ile Gly Glu Asn Ser Pro Leu Leu Ser Gly Gln Gln Val 655 660 665	ja 2018
gtacteteat atgatgetgt gatttteetg gagttgacag aaacacetat atttee	cca 2078
gtcttccctg ggagactact attaactgaa ataaatactc agagcctgaa aaa	2131
<210> 4 <211> 668 <212> PRT <213> Homo sapiens	
<400> 4	
Met Asp Leu Val Leu Lys Arg Cys Leu Leu His Leu Ala Val Ile G 1 10 15	ly
	•
1 5 10 15 Ala Leu Leu Ala Val Gly Ala Thr Lys Val Pro Arg Asn Gln Asp T	rp
1 5 10 15 Ala Leu Leu Ala Val Gly Ala Thr Lys Val Pro Arg Asn Gln Asp T 20 25 30 Leu Gly Val Ser Arg Gln Leu Arg Thr Lys Ala Trp Asn Arg Gln 1	rp ≅u
Ala Leu Leu Ala Val Gly Ala Thr Lys Val Pro Arg Asn Gln Asp T 20 25 30 Leu Gly Val Ser Arg Gln Leu Arg Thr Lys Ala Trp Asn Arg Gln L 35 40 45 Tyr Pro Glu Trp Thr Glu Ala Gln Arg Leu Asp Cys Trp Arg Gly G	rp eu ly
Ala Leu Leu Ala Val Gly Ala Thr Lys Val Pro Arg Asn Gln Asp T 25 Leu Gly Val Ser Arg Gln Leu Arg Thr Lys Ala Trp Asn Arg Gln I 45 Tyr Pro Glu Trp Thr Glu Ala Gln Arg Leu Asp Cys Trp Arg Gly G 50 Gln Val Ser Leu Lys Val Ser Asn Asp Gly Pro Thr Leu Ile Gly A	rp eu ly la 80
Ala Leu Leu Ala Val Gly Ala Thr Lys Val Pro Arg Asn Gln Asp T 25 Leu Gly Val Ser Arg Gln Leu Arg Thr Lys Ala Trp Asn Arg Gln I 45 Tyr Pro Glu Trp Thr Glu Ala Gln Arg Leu Asp Cys Trp Arg Gly Gln Val Ser Leu Lys Val Ser Asn Asp Gly Pro Thr Leu Ile Gly A 65 Asn Ala Ser Phe Ser Ile Ala Leu Asn Phe Pro Gly Ser Gln Lys Val	rp eu ly la 80
Ala Leu Leu Ala Val Gly Ala Thr Lys Val Pro Arg Asn Gln Asp T 25 Leu Gly Val Ser Arg Gln Leu Arg Thr Lys Ala Trp Asn Arg Gln 1 45 Tyr Pro Glu Trp Thr Glu Ala Gln Arg Leu Asp Cys Trp Arg Gly Gln Val Ser Leu Lys Val Ser Asn Asp Gly Pro Thr Leu Ile Gly A 65 Asn Ala Ser Phe Ser Ile Ala Leu Asn Phe Pro Gly Ser Gln Lys Val Ser Pro Asp Gly Gly Pro Thr Leu Ile Gly A 65 Leu Pro Asp Gly Gln Val Ile Trp Val Asn Asn Thr Ile Ile Asn Cys Trp Asn Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Gly Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Gly Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Gly Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Gly Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Gly Cys Trp Arg Gly Asn Asn Thr Ile Ile Asn Cys Trp Arg Gly Gly Cys Trp Arg Gly Arg Cys Trp Ar	rp eu ly la 80 al

Ĺ

(

Gln Lys Arg Ser Phe Val Tyr Val Trp Lys Thr Trp Gly Gln Tyr Trp Gln Val Leu Gly Gly Pro Val Ser Gly Leu Ser Ile Gly Thr Gly Arg 165 170 Ala Met Leu Gly Thr His Thr Met Glu Val Thr Val Tyr His Arg Arg 185 Gly Ser Arg Ser Tyr Val Pro Leu Ala His Ser Ser Ser Ala Phe Thr 200 Ile Thr Asp Gln Val Pro Phe Ser Val Ser Val Ser Gln Leu Arg Ala Leu Asp Gly Gly Asn Lys His Phe Leu Arg Asn Gln Pro Leu Thr Phe 230 235 Ala Leu Gln Leu His Asp Pro Ser Gly Tyr Leu Ala Glu Ala Asp Leu Ser Tyr Thr Trp Asp Phe Gly Asp Ser Ser Gly Thr Leu Ile Ser Arg Ala Pro Val Val Thr His Thr Tyr Leu Glu Pro Gly Pro Val Thr Ala Gln Val Val Leu Gln Ala Ala Ile Pro Leu Thr Ser Cys Gly Ser Ser 290 Pro Val Pro Gly Thr Thr Asp Gly His Arg Pro Thr Ala Glu Ala Pro 310 Asn Thr Thr Ala Gly Gln Val Pro Thr Thr Glu Val Val Gly Thr Thr Pro Gly Gln Ala Pro Thr Ala Glu Pro Ser Gly Thr Thr Ser Val Gln 345 Val Pro Thr Thr Glu Val Ile Ser Thr Ala Pro Val Gln Met Pro Thr Ala Glu Ser Thr Gly Met Thr Pro Glu Lys Val Pro Val Ser Glu Val 375 Met Gly Thr Thr Leu Ala Glu Met Ser Thr Pro Glu Ala Thr Gly Met 385 390 Thr Pro Ala Glu Val Ser Ile Val Val Leu Ser Gly Thr Thr Ala Ala 405 Gln Val Thr Thr Thr Glu Trp Val Glu Thr Thr Ala Arg Glu Leu Pro 420 Ile Pro Glu Pro Glu Gly Pro Asp Ala Ser Ser Ile Met Ser Thr Glu 440 Ser Ile Thr Gly Ser Leu Gly Pro Leu Leu Asp Gly Thr Ala Thr Leu 455 460

Arg Leu Val Lys Arg Gln Val Pro Leu Asp Cys Val Leu Tyr Arg Tyr 465 470 475 Gly Ser Phe Ser Val Thr Leu Asp Ile Val Gln Gly Ile Glu Ser Ala 490 Glu Ile Leu Gln Ala Val Pro Ser Gly Glu Gly Asp Ala Phe Glu Leu Thr Val Ser Cys Gln Gly Gly Leu Pro Lys Glu Ala Cys Met Glu Ile Ser Ser Pro Gly Cys Gln Pro Pro Ala Gln Arg Leu Cys Gln Pro Val Leu Pro Ser Pro Ala Cys Gln Leu Val Leu His Gln Ile Leu Lys Gly 550 Gly Ser Gly Thr Tyr Cys Leu Asn Val Ser Leu Ala Asp Thr Asn Ser Leu Ala Val Val Ser Thr Gln Leu Ile Met Pro Val Pro Gly Ile Leu 585 Leu Thr Gly Gln Glu Ala Gly Leu Gly Gln Val Arg Leu Ile Val Gly Ile Leu Leu Val Leu Met Ala Val Val Leu Ala Ser Leu Ile Tyr Arg 615

Arg Arg Leu Met Lys Gln Asp Phe Ser Val Pro Gln Leu Pro His Ser

Ser Ser His Trp Leu Arg Leu Pro Arg Ile Phe Cys Ser Cys Pro Ile

650

Gly Glu Asn Ser Pro Leu Leu Ser Gly Gln Gln Val 660 665

<210> 6 <211> 9 <212> PRT <213> Homo sapiens <400> 6

```
Ile Thr Asp Gln Val Pro Phe Ser Val
<210> 7
<211> 10
<212> PRT
<213> Homo sapiens
Val Leu Tyr Arg Tyr Gly Ser Phe Ser Val
                 5
<210> 8
<211> 9
<212> PRT
<213> Homo sapiens
<400> 8
Lys Thr Trp Gly Lys Tyr Trp Gln Val
<210> 9
<211> 10
<212> PRT
<213> Homo sapiens
<400> 9
Phe Leu Thr Pro Lys Lys Leu Gln Cys Val
<210> 10
<211> 9
<212> PRT
<213> Homo sapiens
<400> 10
Lys Leu Gln Cys Val Asp Leu His Val
<210> 11
<211> 10
<212> PRT
<213> Homo sapiens
Val Ile Ser Asn Asp Val Cys Ala Gln Val
```

{